

## REMARKS

Claims 11-18 remain in the application for consideration of the Examiner.

Reconsideration and withdrawal of the outstanding rejections are respectfully requested in light of the following remarks.

Turning now to the art rejection, Claims 11-13 and 16-18 were rejected under 35 U.S.C. § 103 as be unpatentable over Suzuki in view of Moon; Claims 14 and 15 were rejected under 35 U.S.C. § 103 over Suzuki in view of Moon and Official Notice.

These rejections are respectively traversed.

It is respectfully submitted that Suzuki does not disclose or suggest the presently claimed invention including an expected response including a model reference control technique after an initialization of the hard disk drive and based on an expected response of an actuator to a feed forward control signal.

Applicants agree with the Examiner that such a feature is not taught by Suzuki.

It is respectfully submitted that Moon does not disclose or suggest the presently claimed invention including a digital signal processor utilizing a model reference control technique after an initialization of the hard disk drive system and based on a expected response of the actuator to a feed forward control signal.

The Examiner's attention is directed to col. 14, lines 50-55 of Moon. Here, Moon discloses that the necessary value of  $C_{ffwd}$  may be determined by manual characterization of the disk drive or by automated self-characterization during disk drive initialization.

In contrast, the presently claimed invention performs this feature after the initialization.

Official Notice does not cure these defects.

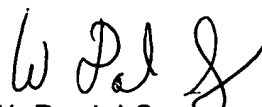
It is respectfully submitted that Claims 11-18 define over the applied art.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



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